



CITY OF LODI

AGENDA TITLE: Purchase of Sewer TV Equipment and Van for
Water/Wastewater Division

MEETING DATE: May 20, 1992

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council adopt the attached resolution
awarding the purchase of the sewer TV equipment and
van to Flexible Video Systems of Marina Del Rey.
California in the amount \$121,145.49.

BACKGROUND INFORMATION: Funds to purchase the sewer TV equipment and
van for the water/wastewater division were
approved in the 1991-92 operating budget and
specifications were approved by the City
Council on March 18, 1992. Three bids were received and opened on
April 1, 1992.

The low bidder, 3-T Equipment Company, did not meet the specifications
and attached is a list of deficiencies. The second lowest bidder,
Flexible Video Systems, meets the specifications in full. This
purchase does not include the portable radio and installation which
will be completed after receiving the TV van and equipment.

The following is a recap of the bids:

3-T Equipment Company, Fetaluma, CA	\$102,435.10
Flexible Video Systems, Marina Del Rey, CA	\$121,145.49
CUES, Inc, Orlando, FL	\$138,329.68

FUNDING: Budgeted Fund

17.1-012.34
\$153,150

Budgeted Amount

Jack L. Ronsko
Jack L. Ronsko
Public Works Director

JLR/FB/sh

Attachment

Prepared by Frank Beeler, Assistant Water/Wastewater Superintendent

cc: City Attorney

Purchasing Officer

Water/Wastewater Superintendent

APPROVED

Thomas A. Peterson

THOMAS A. PETERSON



recycled paper

Deviations of 3-T Specifications to the City of Lodi
Specification for Sewer TV System and Van

With 3-T's bid, supplemental specifications of their equipment were provided and it is assumed 3-T is describing what they are intending on providing.

1. Electrical System: The specifications call for indirect fluorescent lighting and ground fault interrupt outlets. 3-T specifies fluorescent without any indirect lighting and standard three-prong household outlets.
2. Our specifications call for a rotary switch for switching from generator power to house power. 3-T specifies a three-prong electrical pigtail.
3. Our specifications call for a waterproof marine grade breaker box. 3-T provides a standard household breaker box which is not waterproof.
4. Our specifications call for one 6500 watt industrial generator with an internal charging system, 3-T specifies a "recreational vehicle" type **4000** watt generator with a separate external battery charger to maintain the charging system.
5. Our specifications also call for an extended generator crankshaft to allow for the attachment of a hydraulic pump. 3-T provides a generator that does not provide for the attachment of a hydraulic pump.
6. Our specifications call for a 3" diameter camera which would easily make it through a 6" sanitary sewer with a lot of offset joints. 3-T specifies a larger 3.5" diameter camera.
7. Our specifications call for the camera to be housed in 1/4" stainless steel, 3-T specifies only 1/8" lightweight aluminum housing.
8. Our specifications for lighting call for four **40** watt bulbs mounted with individual multi-faced reflectors to illuminate 12" to **42"** diameter pipes. 3-T specifies two 35 watt bulbs internally mounted for lighting **6"** to 36" diameter pipes and for pipes above **36"** diameter, a single 85 watt bulb is specified.
9. Our specifications **call** for a separate stand alone fully regulated power supply. 3-T's specs do not provide a separate power supply, instead 3-T houses a lower wattage power supply in the same housing with all other camera controls.
10. Our specifications call for permanently engraved labels on both the front and rear of the power supply unit. 3-T specified silk screen labels.

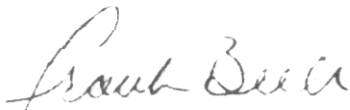
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Deviations of 3-T Specifications
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11. Our specifications call for a 20" high resolution color monitor to be incorporated with a digital converter. 3-T specifies a 12" color monitor without a digital video converter.
12. Our specifications call for a hydraulic power reel with ring and pinion gear assembly with a brass friction clutch. 3-T does not meet any portion of the hydraulic reel specifications. 3-T provides chain driven reel powered by a 3/4 HP electric motor with two-speed electric transmission.
13. Our specifications call for five days of training. 3-T specifies only three days of training.
14. 3-T does not offer and did not bid on transporter remote controls, optional bid addition number 5, which we are including in the bid prices shown on the Council Communication.

Summary: Staff talked with users of 3-T's Omnieye camera and transporter and they have been using the equipment for less than a year. We specified for user's of two years or more. We feel for that particular equipment it is insufficient time to evaluate whether the equipment will hold up over a period of time.

Our staff has personally inspected working units from 3-T and Flexible and have observed a higher quality of workmanship and higher quality materials and equipment used in Flexible units.



Frank Beeler
Assistant Water/WW Superintendent



Martin Jones
Water/Wastewater Supervisor

MJ/FB/sh

RESOLUTION NO. 92-89

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BID FOR THE PURCHASE OF SEWER TV EQUIPMENT
AND VAN FOR WATER/WASTEWATER DIVISION

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on April 1, 1992 at 11:00 a.m. for the bid for the purchase of sewer TV equipment and van for the Water/Wastewater Division, described in the specifications therefor approved by the City Council on March 18, 1992; and

WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as follows:

- 3-T Equipment Company, Petaluma, CA 5102,435.10
Flexible Video Systems. Marina Del Rey, CA \$121,145.49
CUES, Inc., Orlando, FL \$138,329.68
- Does not meet specifications

WHEREAS, the City Manager recommends that award of the bid for Sewer TV equipment and van be made to the second lowest bidder, Flexible Video Systems;

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that award of bid for Sewer TV equipment and van be and the same is hereby awarded to Flexible Video Systems, the second lowest bidder, in the amount of 5121,145.49.

Dated: May 20, 1992

I hereby certify that Resolution No. 92-89 was passed and adopted by the City Council of the City of Lodi in a regular meeting held May 20, 1992 by the following vote:

Ayes: Council Members -

Noes: Council Members -

Absent: Council Members -

Alice M. Reinche
City Clerk

92-89

RES9289/TXTA.01V

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Deviations of 3-T Specifications to the City of Lodi
Specification for Sewer TV System and Van
(Revised May 18, 1992)

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1. Our specifications call for engraved labels on the front and rear of all the panels. 3-T provides silk screened labels that are epoxied on.
2. Our specifications call for a 3" diameter camera which would give maximum clearance to avoid protruding taps and offset joints and negotiate 45 degree turns in a 6" sanitary sewer. 3-T specifies a larger 3.5" diameter camera.
3. Our specifications call for the camera to be housed in 1/4" stainless steel, 3-T specifies only 1/8" lightweight anodized aluminum, our specifications state using anodized aluminum will not be considered equal.
4. Our specifications for lighting call for four 40 watt bulbs mounted with individual multi-faced reflectors to illuminate 12" to 42" diameter pipes, with four 40 watt bulbs providing 160 watts. 3-T specifies two 35 watt bulbs internally mounted for lighting 6" to 36" diameter pipes providing only 70 watts. For pipes above 36" diameter, a single 85 watt bulb is provided.
5. Our specifications call for the TV monitor to have a color bar generator. This feature permits the operator to do a system performance test, hue adjustment, white balance test, and system diagnostic test. 3-T does not provide a color bar generator.
6. Our specifications call for the footage counter display to have a + or - sign. 3-T does not supply this feature and without this feature while recording it will not appear on film.
7. Our specifications call for a hydraulic power reel to be powered by a hydraulic motor and to have a ring and pinion gear assembly, along with a rotary brass friction clutch to adjust reel tension. Our specifications also call for the follower block made from case hardened steel with spring loaded manual connect/disconnect to allow the operator to make field adjustments for proper cable alignment. 3-T provides a 3/4 HP electric constant torque motor and a two speed electric transmission. The follower block does not have connect/disconnect capabilities.
8. Our specifications call for an electronic footage encoder with an additional mechanical counter to insure footage accuracy. 3-T provides a light encoder system and a single wheel counter.
9. Our specifications call for the transporter to have a variable forward and reverse speed control from stop to

maximum speed. 3-T offers three forward speeds and a neutral for pulling backwards.

10. 3-T does not offer and did not bid on transporter remote controls, optional bid addition number five, which we are including in the bid prices shown on the Council Communication.

In speaking with the users of both 3-T and Flexible equipment, we have had no negative remarks about the equipment, other than one agency stating 3-T **was** late with their delivery time.

Our staff has personally inspected working units from 3-T and Flexible. We feel that Flexible has the highest quality materials, equipment, and workmanship of any units in the industry which we have seen.



Frank Beeler

Assistant Water/WW Superintendent



Martin Jones

Water/Wastewater Supervisor

MJ/FB/sh

RESOLUTION NG. 92-89

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BID FOR THE PURCHASE OF SEWER TV EQUIPMENT
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WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as follows:

* 3-T Equipment Company, Petaluma, CA	\$102,435.10
Flexible Video Systems, Marina Del Rey, CA	\$121,145.49
CUES, Inc., Orlando, FL	\$138,329.68

- Does not meet specifications

WHEREAS, the City Manager recommends that award of the bid for Sewer TV equipment and van be made to the second lowest bidder. Flexible Video Systems;

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that award of bid for Sewer TV equipment and van be and the same is hereby awarded to Flexible Video Systems, the second lowest bidder, in the amount of \$121,145.49.

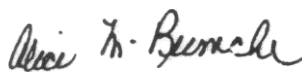
Dated: May 20, 1992

I hereby certify that Resolution No. 52-69 was passed and adopted by the City Council of the City of Lodi in a regular meeting held May 20, 1992 by the following vote:

Ayes: Council Members - Hinchman, Pennino, Sieglock, Snider
and Pinkerton (Mayor)

Noes: Council Members - None

Absent: Council members - None


Alice M. Reimche
City Clerk